

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Previously Presented) A filter cartridge with a filter material, comprising: a cartridge container with a bottom wall and a peripheral wall and a lid, which durably shuts the cartridge container, comprised of a lid bottom and a strip-shaped lateral wall, with a form matching according to its border, which is fitted at the inner side of the peripheral wall, whereby the lid bottom merges with the lateral wall in the direction of the peripheral wall along an inward curved edge section, whereby the curved edge section and the lateral wall join in a common wall section, tapering inwards, in a forming region, and wherein the common wall section is parallel to the peripheral wall adjacent thereto.
2. (Previously Presented) The filter cartridge as claimed in claim 1, wherein the lateral wall is connected with the curved edge section tangentially.
3. (Previously Presented) The filter cartridge as claimed in claim 1, wherein the common wall section forms a lower wall section of the lateral wall.
4. (Previously Presented) The filter cartridge according to claim 1, wherein the curved edge section extends up to the inner end of the strip-shaped lateral wall.
5. (Previously Presented) The filter cartridge according to claim 1, wherein the curved edge section has a mean edge radius of curvature R , which satisfies $R \geq 5 \times S$, whereby S indicates the thickness of the peripheral wall of the cartridge container.
6. (Previously Presented) The filter cartridge according to claim 1, wherein the curved edge section spans an angle α from 80° to 100° .

7. (Previously Presented) The filter cartridge according to claim 1, wherein the lateral wall has an upper wall section, which extends upward from the common wall section at least up to height of the lid bottom.

8. (Previously Presented) The filter cartridge according to claim 7, wherein the upper wall section of the lateral wall and the curved edge section border on their outer side forming a ring space with a wedge-shaped cross section.

9. (Previously Presented) The filter cartridge according to claim 1, further comprising a back-up ring arranged on the lid.

10. (Previously Presented) The filter cartridge according to claim 9, wherein at least a bottom contour of the back-up ring is built such that it is complementary to an outer contour of the lid.

11. (Previously Presented) The filter cartridge according to claim 9, wherein the back-up ring does not fill a wedge-shaped ring area completely.

12. (Previously Presented) The filter cartridge according to claim 9, further comprising a slit-shaped recess between the back-up ring and a position of the curved edge section bordering on the common wall section.

13. (Previously Presented) The filter cartridge according to claim 1, wherein at least one section of the common wall section is laser welded with the peripheral wall.

14. (Previously Presented) The filter cartridge according to the claim 13, wherein the section is glued or butt-welded with the peripheral wall.

15. (Previously Presented) The filter cartridge according to claim 1, wherein the material of the cartridge container is transparent to laser light and at least the material of the lateral wall of the lid is absorptive to laser light.

16. (Previously Presented) The filter cartridge as claimed in claim 2, wherein the common wall section forms a lower wall section of the lateral wall.

17. (Previously Presented) The filter cartridge according to claim 16, wherein the curved edge section has a mean edge radius of curvature R , which satisfies $R \geq 5 \times S$, whereby S indicates the thickness of the peripheral wall of the cartridge container.

18. (Previously Presented) The filter cartridge according to claim 6, wherein the lateral wall has an upper wall section, which extends upward from the common wall section at least up to height of the lid bottom.

19. (Previously Presented) The filter cartridge according to claim 8, further comprising a back-up ring arranged on the lid.

20. (Previously Presented) The filter cartridge according to claim 12, wherein at least one section of the common wall section is laser welded with the peripheral wall.